Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Raft
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	3-Dec-2022
Tested Date	10-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.69	150*150*150	2574.81	332.00	0.0225	14.76	14.46	14.58
2	20	7	8.47	150*150*150	2509.63	318.00	0.0225	14.13		
3	20	7	8.26	150*150*150	2447.41	326.00	0.0225	14.49		
4	20	7	8.62	150*150*150	2554.07	329.00	0.0225	14.62	14.70	
5	20	7	8.16	150*150*150	2417.78	330.00	0.0225	14.67		
6	20	7	8.94	150*150*150	2648.89	333.00	0.0225	14.80		

Results: 7-days Compressive strength of Concrete is 14.58 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

DR-09

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Raft
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	3-Dec-2022
Tested Date	10-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.26	150*150*150	2447.41	324.00	0.0225	14.40	14.56	14.51
2	20	7	8.47	150*150*150	2509.63	328.00	0.0225	14.58		
3	20	7	8.15	150*150*150	2414.81	331.00	0.0225	14.71		
4	20	7	8.65	150*150*150	2562.96	326.00	0.0225	14.49	14.46	
5	20	7	8.23	150*150*150	2438.52	321.00	0.0225	14.27		
6	20	7	8.69	150*150*150	2574.81	329.00	0.0225	14.62		

Results: 7-days Compressive strength of Concrete is 14.51 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Raft
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	3-Dec-2022
Tested Date	10-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.35	150*150*150	2474.07	326.00	0.0225	14.49	14.65	14.60
2	20	7	8.56	150*150*150	2536.30	330.00	0.0225	14.67		
3	20	7	8.24	150*150*150	2441.48	333.00	0.0225	14.80		
4	20	7	8.74	150*150*150	2589.63	328.00	0.0225	14.58	14.55	
5	20	7	8.32	150*150*150	2465.19	323.00	0.0225	14.36		
6	20	7	8.78	150*150*150	2601.48	331.00	0.0225	14.71		

Results: 7-days Compressive strength of Concrete is 14.60 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Assistant Executive Engineer
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B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Raft
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	3-Dec-2022
Tested Date	31-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.35	150*150*150	2474.07	467.00	0.0225	20.76	20.49	20.50
2	20	28	8.46	150*150*150	2506.67	457.00	0.0225	20.31		
3	20	28	8.26	150*150*150	2447.41	459.00	0.0225	20.40		
4	20	28	8.31	150*150*150	2462.22	462.00	0.0225	20.53	20.50	
5	20	28	8.49	150*150*150	2515.56	451.00	0.0225	20.04		
6	20	28	8.22	150*150*150	2435.56	471.00	0.0225	20.93		

Results: 28-days Compressive strength of Concrete is 20.50 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Raft
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	3-Dec-2022
Tested Date	31-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.41	150*150*150	2491.85	459.00	0.0225	20.40	20.19	20.40
2	20	28	8.69	150*150*150	2574.81	451.00	0.0225	20.04		
3	20	28	8.21	150*150*150	2432.59	453.00	0.0225	20.13		
4	20	28	8.63	150*150*150	2557.04	461.00	0.0225	20.49	20.61	
5	20	28	8.32	150*150*150	2465.19	459.00	0.0225	20.40		
6	20	28	8.27	150*150*150	2450.37	471.00	0.0225	20.93		

Results: 28-days Compressive strength of Concrete is 20.40 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:

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Assistant Executive Engineer
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B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Raft
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	3-Dec-2022
Tested Date	31-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.50	150*150*150	2518.52	461.00	0.0225	20.49	20.28	20.49
2	20	28	8.78	150*150*150	2601.48	453.00	0.0225	20.13		
3	20	28	8.30	150*150*150	2459.26	455.00	0.0225	20.22		
4	20	28	8.72	150*150*150	2583.70	463.00	0.0225	20.58	20.70	
5	20	28	8.41	150*150*150	2491.85	461.00	0.0225	20.49		
6	20	28	8.36	150*150*150	2477.04	473.00	0.0225	21.02		

Results: 28-days Compressive strength of Concrete is 20.49 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:

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Assistant Executive Engineer
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Mecadez Core Technologies Private Limited

Project Management Consultancy Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts**

Sl. No	Particulars of the Tests	M20 Concrete For Drain Wall			
		Quantity Cum	Frequency of Tests	Tests Required	Tests Carried Out
IV	**Concrete**				
1	Compressive strength test	31.09	1 to 5cum=1 sample 6 to 15 cum=2 sample 16 to 30cum=3 smaple 31 to 50cum= 4 sample 51cum and above= one additonal sample for every additional 50 cum or part therof	4	4
	7-days				
	28-days				

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

consultant

contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.46	150*150*150	2506.67	326.00	0.0225	14.49	14.50	14.47
2	20	7	8.15	150*150*150	2414.81	324.00	0.0225	14.40		
3	20	7	8.70	150*150*150	2577.78	329.00	0.0225	14.62		
4	20	7	8.95	150*150*150	2651.85	320.00	0.0225	14.22	14.43	
5	20	7	8.31	150*150*150	2462.22	333.00	0.0225	14.80		
6	20	7	8.76	150*150*150	2595.56	321.00	0.0225	14.27		

Results: 7-days Compressive strength of Concrete is 14.47 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.49	150*150*150	2515.56	330.00	0.0225	14.67	14.47	14.57
2	20	7	8.24	150*150*150	2441.48	321.00	0.0225	14.27		
3	20	7	8.67	150*150*150	2568.89	326.00	0.0225	14.49		
4	20	7	8.62	150*150*150	2554.07	328.00	0.0225	14.58	14.67	
5	20	7	8.49	150*150*150	2515.56	333.00	0.0225	14.80		
6	20	7	8.26	150*150*150	2447.41	329.00	0.0225	14.62		

Results: 7-days Compressive strength of Concrete is 14.57 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Assistant Executive Engineer
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AR-09

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Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.58	150*150*150	2542.22	332.00	0.0225	14.76	14.56	14.66
2	20	7	8.33	150*150*150	2468.15	323.00	0.0225	14.36		
3	20	7	8.76	150*150*150	2595.56	328.00	0.0225	14.58		
4	20	7	8.71	150*150*150	2580.74	330.00	0.0225	14.67	14.76	
5	20	7	8.58	150*150*150	2542.22	335.00	0.0225	14.89		
6	20	7	8.35	150*150*150	2474.07	331.00	0.0225	14.71		

Results: 7-days Compressive strength of Concrete is 14.66 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	4
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.68	150*150*150	2571.85	334.00	0.0225	14.84	14.65	14.75
2	20	7	8.43	150*150*150	2497.78	325.00	0.0225	14.44		
3	20	7	8.86	150*150*150	2625.19	330.00	0.0225	14.67		
4	20	7	8.81	150*150*150	2610.37	332.00	0.0225	14.76	14.84	
5	20	7	8.68	150*150*150	2571.85	337.00	0.0225	14.98		
6	20	7	8.45	150*150*150	2503.70	333.00	0.0225	14.80		

Results: 7-days Compressive strength of Concrete is 14.75 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Assistant Executive Engineer
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B.B.M.P, Bangalore - 97

AR-09

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.52	150*150*150	2524.44	459.00	0.0225	20.40	20.27	20.26
2	20	28	8.17	150*150*150	2420.74	457.00	0.0225	20.31		
3	20	28	8.96	150*150*150	2654.81	452.00	0.0225	20.09		
4	20	28	8.26	150*150*150	2447.41	455.00	0.0225	20.22	20.25	
5	20	28	8.32	150*150*150	2465.19	459.00	0.0225	20.40		
6	20	28	8.46	150*150*150	2506.67	453.00	0.0225	20.13		

Results: 28-days Compressive strength of Concrete is 20.26 N/mm2
Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.95	150*150*150	2651.85	456.00	0.0225	20.27	20.25	20.44
2	20	28	7.63	150*150*150	2260.74	460.00	0.0225	20.44		
3	20	28	8.64	150*150*150	2560.00	451.00	0.0225	20.04		
4	20	28	7.55	150*150*150	2237.04	458.00	0.0225	20.36	20.62	
5	20	28	8.24	150*150*150	2441.48	463.00	0.0225	20.58		
6	20	28	8.64	150*150*150	2560.00	471.00	0.0225	20.93		

Results: 28-days Compressive strength of Concrete is 20.44 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	9.04	150*150*150	2678.52	458.00	0.0225	20.36	20.34	20.53
2	20	28	7.72	150*150*150	2287.41	462.00	0.0225	20.53		
3	20	28	8.73	150*150*150	2586.67	453.00	0.0225	20.13		
4	20	28	7.64	150*150*150	2263.70	460.00	0.0225	20.44	20.71	
5	20	28	8.33	150*150*150	2468.15	465.00	0.0225	20.67		
6	20	28	8.73	150*150*150	2586.67	473.00	0.0225	21.02		

Results: 28-days Compressive strength of Concrete is 20.53 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Mecadez Core Technologies Private Limited

Project Management Consultancy Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts**

Sl. No	Particulars of the Tests	M20 Bed Concrete For Drain			
		Quantity Cum	Frequency of Tests	Tests Required	Tests Carried Out
IV	**Concrete**				
1	Compressive strength test	52.20	1 to 5cum=1 sample 6 to 15 cum=2 sample 16 to 30cum=3 smaple 31 to 50cum= 4 sample 51cum and above= one additonal sample for every additional 50 cum or part therof	5	5
	7-days				
	28-days				

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

consultant

contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.26	150*150*150	2447.41	325.00	0.0225	14.44	14.50	14.52
2	20	7	8.46	150*150*150	2506.67	333.00	0.0225	14.80		
3	20	7	8.27	150*150*150	2450.37	321.00	0.0225	14.27		
4	20	7	8.62	150*150*150	2554.07	329.00	0.0225	14.62	14.53	
5	20	7	8.36	150*150*150	2477.04	325.00	0.0225	14.44		
6	20	7	8.49	150*150*150	2515.56	327.00	0.0225	14.53		

Results: 7-days Compressive strength of Concrete is 14.52 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.25	150*150*150	2444.44	331.00	0.0225	14.71	14.58	14.52
2	20	7	8.49	150*150*150	2515.56	326.00	0.0225	14.49		
3	20	7	8.37	150*150*150	2480.00	327.00	0.0225	14.53		
4	20	7	8.61	150*150*150	2551.11	329.00	0.0225	14.62	14.46	
5	20	7	8.96	150*150*150	2654.81	321.00	0.0225	14.27		
6	20	7	8.22	150*150*150	2435.56	326.00	0.0225	14.49		

Results: 7-days Compressive strength of Concrete is 14.52 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

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Mecadez Core Technologies Private Limited

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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.34	150*150*150	2471.11	333.00	0.0225	14.80	14.67	14.61
2	20	7	8.58	150*150*150	2542.22	328.00	0.0225	14.58		
3	20	7	8.46	150*150*150	2506.67	329.00	0.0225	14.62		
4	20	7	8.70	150*150*150	2577.78	331.00	0.0225	14.71	14.55	
5	20	7	9.05	150*150*150	2681.48	323.00	0.0225	14.36		
6	20	7	8.31	150*150*150	2462.22	328.00	0.0225	14.58		

Results: 7-days Compressive strength of Concrete is 14.61 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

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Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	4
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.44	150*150*150	2500.74	335.00	0.0225	14.89	14.76	14.70
2	20	7	8.68	150*150*150	2571.85	330.00	0.0225	14.67		
3	20	7	8.56	150*150*150	2536.30	331.00	0.0225	14.71		
4	20	7	8.80	150*150*150	2607.41	333.00	0.0225	14.80	14.64	
5	20	7	9.15	150*150*150	2711.11	325.00	0.0225	14.44		
6	20	7	8.41	150*150*150	2491.85	330.00	0.0225	14.67		

Results: 7-days Compressive strength of Concrete is 14.70 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 13 N/mm2

Note:

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Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
E.&.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.34	150*150*150	2471.11	457.00	0.0225	20.31	20.21	20.37
2	20	28	8.73	150*150*150	2586.67	456.00	0.0225	20.27		
3	20	28	8.96	150*150*150	2654.81	451.00	0.0225	20.04		
4	20	28	8.16	150*150*150	2417.78	453.00	0.0225	20.13	20.53	
5	20	28	8.32	150*150*150	2465.19	467.00	0.0225	20.76		
6	20	28	8.42	150*150*150	2494.81	466.00	0.0225	20.71		

Results: 28-days Compressive strength of Concrete is 20.37 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.66	150*150*150	2565.93	459.00	0.0225	20.40	20.49	20.55
2	20	28	8.45	150*150*150	2503.70	460.00	0.0225	20.44		
3	20	28	8.22	150*150*150	2435.56	464.00	0.0225	20.62		
4	20	28	9.01	150*150*150	2669.63	457.00	0.0225	20.31	20.61	
5	20	28	8.83	150*150*150	2616.30	461.00	0.0225	20.49		
6	20	28	8.65	150*150*150	2562.96	473.00	0.0225	21.02		

Results: 28-days Compressive strength of Concrete is 20.55 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:

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Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	4
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.76	150*150*150	2595.56	461.00	0.0225	20.49	20.58	20.64
2	20	28	8.55	150*150*150	2533.33	462.00	0.0225	20.53		
3	20	28	8.32	150*150*150	2465.19	466.00	0.0225	20.71		
4	20	28	9.11	150*150*150	2699.26	459.00	0.0225	20.40	20.70	
5	20	28	8.93	150*150*150	2645.93	463.00	0.0225	20.58		
6	20	28	8.75	150*150*150	2592.59	475.00	0.0225	21.11		

Results: 28-days Compressive strength of Concrete is 20.64 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:

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Authorised Signature

AR-09

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Bed Concrete For Drain
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	5
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.85	150*150*150	2622.22	463.00	0.0225	20.58	20.67	20.73
2	20	28	8.64	150*150*150	2560.00	464.00	0.0225	20.62		
3	20	28	8.41	150*150*150	2491.85	468.00	0.0225	20.80		
4	20	28	9.20	150*150*150	2725.93	461.00	0.0225	20.49	20.79	
5	20	28	9.02	150*150*150	2672.59	465.00	0.0225	20.67		
6	20	28	8.84	150*150*150	2619.26	477.00	0.0225	21.20		

Results: 28-days Compressive strength of Concrete is 20.73 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Mecadez Core Technologies Private Limited

Project Management Consultancy Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts**

Sl. No	Particulars of the Tests	M20 Concrete For Rampa Concrete			
		Quantity Cum	Frequency of Tests	Tests Required	Tests Carried Out
IV	**Concrete**				
1	Compressive strength test	37.65	1 to 5cum=1 sample 6 to 15 cum=2 sample 16 to 30cum=3 smaple 31 to 50cum= 4 sample 51cum and above= one additonal sample for every additional 50 cum or part therof	4	4
	7-days				
	28-days				

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

consultant

contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.26	150*150*150	2447.41	328.00	0.0225	14.58	14.49	14.47
2	20	7	8.47	150*150*150	2509.63	324.00	0.0225	14.40		
3	20	7	8.16	150*150*150	2417.78	326.00	0.0225	14.49		
4	20	7	8.52	150*150*150	2524.44	320.00	0.0225	14.22	14.44	
5	20	7	8.63	150*150*150	2557.04	322.00	0.0225	14.31		
6	20	7	8.95	150*150*150	2651.85	333.00	0.0225	14.80		

Results: 7-days Compressive strength of Concrete is 14.47 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

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iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.25	150*150*150	2444.44	326.00	0.0225	14.49	14.62	14.58
2	20	7	8.49	150*150*150	2515.56	328.00	0.0225	14.58		
3	20	7	8.67	150*150*150	2568.89	333.00	0.0225	14.80		
4	20	7	8.13	150*150*150	2408.89	324.00	0.0225	14.40	14.53	
5	20	7	8.62	150*150*150	2554.07	330.00	0.0225	14.67		
6	20	7	8.62	150*150*150	2554.07	327.00	0.0225	14.53		

Results: 7-days Compressive strength of Concrete is 14.58 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.34	150*150*150	2471.11	328.00	0.0225	14.58	14.71	14.67
2	20	7	8.58	150*150*150	2542.22	330.00	0.0225	14.67		
3	20	7	8.76	150*150*150	2595.56	335.00	0.0225	14.89		
4	20	7	8.22	150*150*150	2435.56	326.00	0.0225	14.49	14.62	
5	20	7	8.71	150*150*150	2580.74	332.00	0.0225	14.76		
6	20	7	8.71	150*150*150	2580.74	329.00	0.0225	14.62		

Results: 7-days Compressive strength of Concrete is 14.67 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

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iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

9-12-09

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	4
Casting Date	9-Dec-2022
Tested Date	16-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.44	150*150*150	2500.74	330.00	0.0225	14.67	14.80	14.76
2	20	7	8.68	150*150*150	2571.85	332.00	0.0225	14.76		
3	20	7	8.86	150*150*150	2625.19	337.00	0.0225	14.98		
4	20	7	8.32	150*150*150	2465.19	328.00	0.0225	14.58	14.71	
5	20	7	8.81	150*150*150	2610.37	334.00	0.0225	14.84		
6	20	7	8.81	150*150*150	2610.37	331.00	0.0225	14.71		

Results: 7-days Compressive strength of Concrete is 14.76 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 13 N/mm2

Note:

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Assistant Executive Engineer
Vidyaranyapura Sub Division
G.B.M.P, Bangalore - 97

AR-09

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.59	150*150*150	2545.19	459.00	0.0225	20.40	20.27	20.25
2	20	28	8.62	150*150*150	2554.07	452.00	0.0225	20.09		
3	20	28	8.41	150*150*150	2491.85	457.00	0.0225	20.31		
4	20	28	8.36	150*150*150	2477.04	453.00	0.0225	20.13	20.24	
5	20	28	8.79	150*150*150	2604.44	462.00	0.0225	20.53		
6	20	28	8.36	150*150*150	2477.04	451.00	0.0225	20.04		

Results: 28-days Compressive strength of Concrete is 20.25 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

AR-09

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.62	150*150*150	2554.07	459.00	0.0225	20.40	20.47	20.58
2	20	28	8.72	150*150*150	2583.70	463.00	0.0225	20.58		
3	20	28	8.93	150*150*150	2645.93	460.00	0.0225	20.44		
4	20	28	8.24	150*150*150	2441.48	457.00	0.0225	20.31	20.68	
5	20	28	8.28	150*150*150	2453.33	469.00	0.0225	20.84		
6	20	28	8.96	150*150*150	2654.81	470.00	0.0225	20.89		

Results: 28-days Compressive strength of Concrete is 20.58 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Assistant Executive Engineer
Vidyaranyapura Sub Division
Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.71	150*150*150	2580.74	461.00	0.0225	20.49	20.56	20.67
2	20	28	8.81	150*150*150	2610.37	465.00	0.0225	20.67		
3	20	28	9.02	150*150*150	2672.59	462.00	0.0225	20.53		
4	20	28	8.33	150*150*150	2468.15	459.00	0.0225	20.40	20.77	
5	20	28	8.37	150*150*150	2480.00	471.00	0.0225	20.93		
6	20	28	9.05	150*150*150	2681.48	472.00	0.0225	20.98		

Results: 28-days Compressive strength of Concrete is 20.67 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:

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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compresive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	M20 Concrete For Rampa Concrete
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	4
Casting Date	9-Dec-2022
Tested Date	6-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.81	150*150*150	2610.37	463.00	0.0225	20.58	20.65	20.76
2	20	28	8.91	150*150*150	2640.00	467.00	0.0225	20.76		
3	20	28	9.12	150*150*150	2702.22	464.00	0.0225	20.62		
4	20	28	8.43	150*150*150	2497.78	461.00	0.0225	20.49	20.86	
5	20	28	8.47	150*150*150	2509.63	473.00	0.0225	21.02		
6	20	28	9.15	150*150*150	2711.11	474.00	0.0225	21.07		

Results: 28-days Compressive strength of Concrete is 20.76 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
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Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

AR-09

Mecadez Core Technologies Private Limited

Project Management Consultancy Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts**

Sl. No	Particulars of the Tests	T.M.T Steel of Fe550 Grade			
		Quantity in Tonne	Frequency of Tests	Tests Required	Tests Carried Out
I	Steel				
1	Tensile strength test	6.81	1 sample per source	1	1

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

CONSULTANTS

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Steel

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	T.M.T Steel of Fe550 Grade
Contractor	M/s SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Site
Material	T.M.T Steel of Fe550 Grade
Tested Date	2-Dec-2022

Sl. No.	Dia in mm	Weight in Kg/mtr	Average Weight Kg/mtr	Ultimate Load in KN	Ultimate Tensile stress in N/mm²	Average Ultimate Tensile Stress N/mm²	Elongation in (%)	Bending and Rebending
1	8	0.395	0.395	29.47	586.00	584.50	18	OK
	8	0.395		29.32	583.00			
2	10	0.617	1.395	45.73	582.00	585.00	18	OK
	10	0.617		46.20	588.00			

NOTE:

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For Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited

Authorised Signature

AB-09

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Mecadez Core Technologies Private Limited

Project Management Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **PACKAGE NO.06 (CONSISTS OF 14 WORKS)**

Job No: **MCTPL/BBMP/EE/BTY/PMC/P-3877/2022-23/QR**

Contractor **M/s. SMLP Asphalts**

Sl. No	Particulars of the Tests	100mm Precast Slab Core Cut			
		Quantity Sqm	Frequency of Tests	Tests Required	Tests Carried Out
	Core Cutting				
1	Compressive strength test	80.55	One Test Per Source of supply	1	1

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

consultant

contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura - Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	PACKAGE NO.06 (CONSISTS OF 14 WORKS)
Client	Excecutive Engineer -Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTY/PMC/P-3877/2022-23/QR
Mix Type	100mm Precast Slab Core Cut
Contractor	M/s. SMLP Asphalts
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Test Location	Laboratory
Sample No	1
Tested Date	17-Dec-2022

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (Kg/m³)	H/D	Correction Factor (Based on H/D)	Failure Load (KN)	Core Strength (N/mm²)	Correction Factor for the dia. (Strength of the Core X 1.08)	Corrected Cylinder Compressive Strength (N/mm²)	Equivalent Cube Compressive Strength (N/mm²)
1	100.00	98.67	0.62	799.727	0.9867	0.89	131.529	16.74	18.08	20.30	25.38
2	100.00	99.58	0.66	843.543	0.9958	0.89	130.04	16.55	17.87	20.05	25.06
3	100.00	98.54	0.6	774.951	0.9854	0.89	131.61	16.75	18.09	20.32	25.40

Results: Compressive strength of 100mm thick Precast Slab is 25.28 N/mm2

Note:

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For Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Mecadez Core Technologies Private Limited

Project Management Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR**

Contractor **M/s.SMLP Asphalts,**

Sl. No	Particulars of the Tests	Wet Mix Macadam WMM			
		Quantity Cum	Frequency of Tests	Tests Required	Tests Carried Out
1	Rate of Spread of Prime Coat	835.9	3 Test / Day	3	3
2	Aggregate Impact Value		1 Test / 1000 m^3	1	1
3	Combined Flakiness & Elongation Indices		1Test / 500 m^3	2	2
4	Aggregate gradation		1Test / 200 m^3	5	5
5	Atterberg limits		1Test / 200 m^3	5	5
6	Density of Compacted Layer		1 Test / 1000m^2	1	1

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

Consultant

Contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
Bangalore - 97

Test Report
Rate of Spread of Prime Coat

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	Wet Mix Macadam WMM
Contractor	M/s.SMLP Asphalts,
Location	At Site
Material	Emulsion (Prime Coat)
Sample No	1
Tested Date	9-Mar-2023

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m^2	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m^2	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.635	1.635	1.635
4	Final weight of plate after application of Tack Coat (c)	kg	1.671	1.672	1.673
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.036	0.037	0.038
6	Rate of spread (d/a)	kg / m^2	0.900	0.925	0.950
7	Average	kg / m^2	0.925		
8	Specified Limit	kg / m^2	Not less than 0.90 kg / m^2		

Results: Rate of Spread of Prime Coat is: 0.925 kg / m2

Note:

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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Rate of Spread of Prime Coat

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	Wet Mix Macadam WMM
Contractor	M/s.SMLP Asphalts,
Location	At Site
Material	Emulsion (Prime Coat)
Sample No	2
Tested Date	9-Mar-2023

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m^2	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m^2	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.635	1.635	1.635
4	Final weight of plate after application of Tack Coat (c)	kg	1.672	1.672	1.673
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.037	0.037	0.038
6	Rate of spread (d/a)	kg / m^2	0.925	0.925	0.95
7	Average	kg / m^2	0.933		
8	Specified Limit	kg / m^2	Not less than 0.90 kg / m2		

Results: Rate of Spread of Prime Coat is: 0.933 kg / m2

Note:

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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Rate of Spread of Prime Coat

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	Wet Mix Macadam WMM
Contractor	M/s.SMLP Asphalts,
Location	At Site
Material	Emulsion (Primer Coat)
Sample No	3
Tested Date	9-Mar-2023

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m^2	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m^2	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.635	1.635	1.635
4	Final weight of plate after application of Tack Coat (c)	kg	1.671	1.672	1.673
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.036	0.037	0.038
6	Rate of spread (d/a)	kg / m^2	0.9	0.925	0.95
7	Average	kg / m^2	0.942		
8	Specified Limit	kg / m^2	Not less than 0.90 kg / m2		

Results: Rate of Spread of Prime Coat is: 0.942 kg / m2

Note:

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